

Date: February 7, 2012

To: Thomas J. Bonfield, City Manager
Through: Theodore L. Voorhees, Deputy City Manager
From: Donald F. Greeley, Director, Water Management
Jerry Morrone, Engineering Supervisor, Water Management

Subject: Southern Reinforcing Main Phase II Project - Pipeline Agreement with North Carolina Railroad Company and Norfolk Southern Railway Company

Executive Summary

The Southern Reinforcing Main Phase II Project consists of the construction of a 30-inch potable waterline connecting the existing Ellis Road Elevated Storage Tank to the proposed Angier Avenue Elevated Storage Tank. The project will run from the northern intersection of Ellis Road and NC 147 to the intersection of Angier Avenue and Miami Boulevard. The proposed waterline will cross the existing Right-of-Way (ROW) shared by the North Carolina Railroad (NCRR) Company and the Norfolk Southern Railway (NSR) Company. In order for the City to complete the proposed work, the City must execute a pipeline agreement with both companies.

Recommendation

The Department of Water Management recommends that the City Council authorize the City Manager to execute a Pipeline Agreement with NCRR and NSR for access for the proposed installation, maintenance, removal and operation of one 30-inch ductile iron potable water pipeline and one 48-inch steel casing pipe.

Background

The Southern Reinforcing Main Phase II Project consists of the construction of a 30-inch potable waterline connecting the existing Ellis Road Elevated Storage Tank to the proposed Angier Avenue Elevated Storage Tank. The project will run from the northern intersection of Ellis Road and NC 147 to the intersection of Angier Avenue and Miami Boulevard. The project will provide hydraulic balancing for existing and proposed elevated storage tanks and reinforce the pressure in the southeast portion of the City's service area. The City hired the engineering firm of Kimley-Horn and Associates, Inc. to design the Southern Reinforcing Main Phase II Project. The project design centers on the installation of approximately 13,500 linear feet of 30-inch waterline that will reside within DOT and City ROW, and crosses existing NCRR and NSR ROW.

Issues and Analysis

In order to cross the existing NCRR and NSR ROW, the City must enter into a pipeline agreement with the NCRR and NSR companies. A 204-foot portion of the new 30 inch waterline and 48-inch casing will be installed within the railroad ROW. The City's Pipeline Agreement with NCRR and NSR will also allow the City to maintain the proposed main and replace the main if needed.

The existing NCRR and NSR ROW runs north south between the existing and proposed elevated storage tanks. Therefore crossing the railroad ROWs cannot be avoided. The alignment for the proposed water line was selected to provide the most cost effective railroad crossing. The installation method proposed is required by the railroad to minimize impact to facilities and is not negotiable.

Alternatives

The only alternative would be to not proceed with the project. Failure to obtain access to complete work within the railroad right-of-way would prevent the installation of the proposed 30-inch waterline and prevent proper functioning of the Angier Avenue Elevated Storage Tank.

Financial Impact

The cost to process the license agreement is \$ 8,782.41. There are currently funds available for this agreement in the 4100P762-731000-P071A.

SDBE Summary

This is a Pipeline Agreement. This was not reviewed for compliance with the Ordinance to Promote Equal Business Opportunities in City Contracting.

Attachments

License Agreement and Exhibits